

PATENT CLAIMS

1. An endovascular implant having
 - a tubular main body, open on its front sides, made of at least one biodegradable material, the main body having a location-dependent first degradation characteristic $D_1(x)$ in vivo, and
 - a coating, which completely or possibly only partially covers the main body, made of at least one biodegradable material, the coating having a location-dependent second degradation characteristic $D_2(x)$ in vivo, and
 - wherein a location-dependent cumulative degradation characteristic $D(x)$ results at a location (x) from the sum of the particular existing degradation characteristics $D_1(x)$ and $D_2(x)$ existing at the cited location (x) and the location-dependent cumulative degradation characteristic $D(x)$ is predefined by variation of the second degradation characteristic $D_2(x)$ in such way that the degradation at the cited location (x) of the implant occurs in a predefinable time interval having a predefinable degradation curve.
2. The implant according to Claim 1, characterized in that the degradation characteristic $D_2(x)$ of the coating is provided by
 - varying its morphological structure,
 - material modification of the material, and/or
 - adapting a layer thickness of the coating.
3. The implant according to Claims 1 or 2, characterized in that the degradation characteristic $D_2(x)$ of the coating is predefined as a function of the pathophysiological conditions to be expected in application.
4. The implant according to Claims 1 or 2, characterized in that the degradation characteristic $D_2(x)$ of the coating is predefined as a function of the rheological conditions to be expected in application